

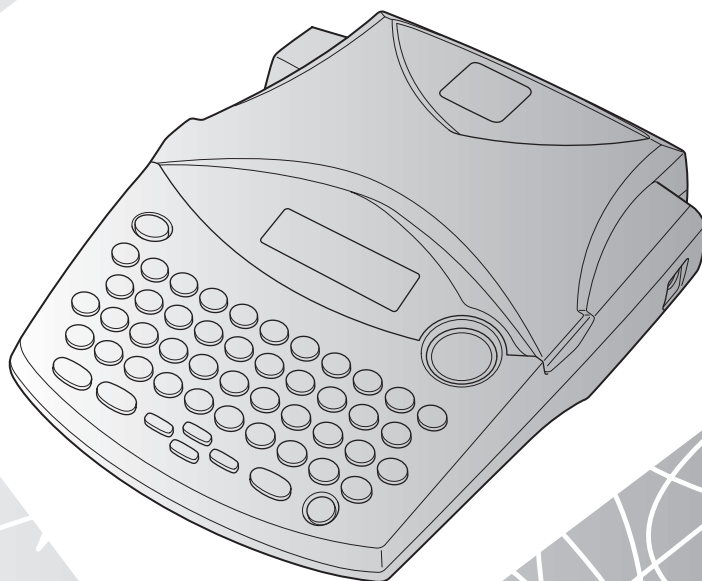
brother®

TZ
TAPE

P-touch

1900

USER'S GUIDE



- Read this User's Guide before you start using your P-touch.
- Keep this User's Guide in a handy place for future reference.

INTRODUCTION

Thank you for purchasing the P-touch 1900!

Your new P-touch will allow you to create labels and stamps for any need. Its versatility enables you to design custom labels by choosing from a variety of frame designs and from many character sizes and styles. In addition, the four tape widths (1/4" (6 mm), 3/8" (9 mm), 1/2" (12 mm) and 3/4" (18 mm)) and variety of tape colors allow you to print personalized labels, useful for color-coded filing.








You no longer have to worry about urgent tasks that require professional printing. In the office, the factory, the lab and the home, the quality and performance of the P-touch 1900 makes it an extremely practical machine.

Finally, as you may want to occasionally refer to this User's Guide we suggest that you keep it in a handy place.

Canadian Department of Communications Compliance Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Department of Communications.

Switching the language of the messages between English and French

1. Erase all of the text in the display either with  or by holding down  and pressing .
2. Hold down  and press  to display the current language setting ("ENGLISH" or "FRANÇAIS").
3. Keep  held down and press  again until the desired setting appears in the display, then release the keys.

The default setting is English.

Turning off the machine does not change the language setting.

The language cannot be changed if some text remains in the display.

Use only the adaptor designed exclusively for this machine. See "GENERAL PRECAUTIONS" on page 3.

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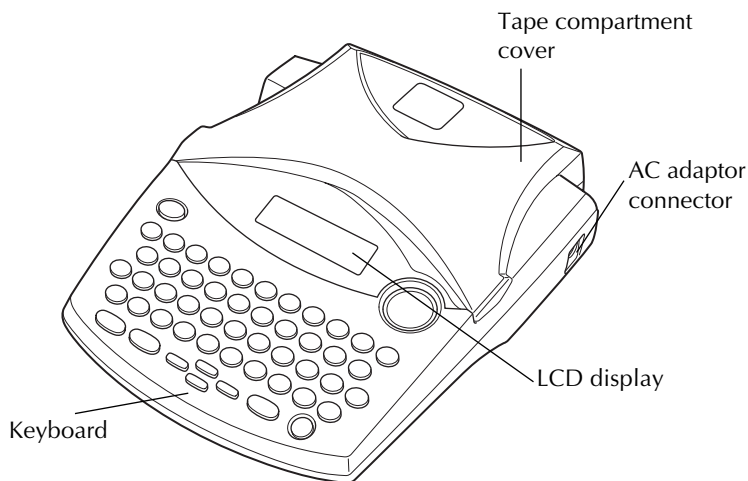
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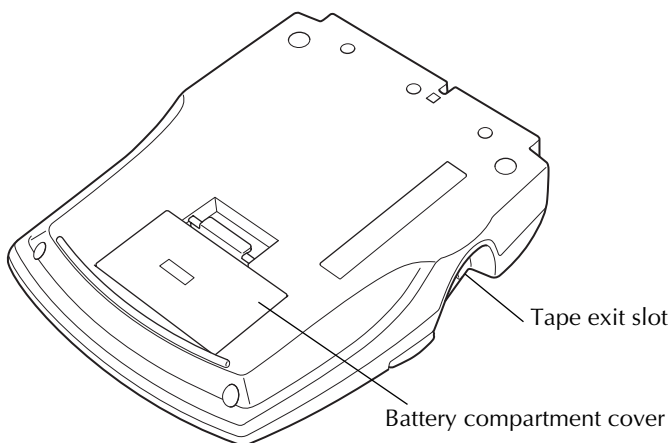
Getting Started

GENERAL DESCRIPTION

TOP VIEW



BOTTOM VIEW



KEYBOARD & LCD DISPLAY



GENERAL PRECAUTIONS


- **To avoid injuries, do not touch the cutter's edge.**
- Use only Brother TZ tapes with this machine to avoid damage. Do not use tapes that do not have the **TZ** mark. Brother cannot be held responsible for trouble or damage by the use of unauthorized supplies.
- Do not pull on the tape being fed from the P-touch. This may damage the tape cassette.
- Do not use the machine in dusty places, and keep it out of both direct sunlight and rain.
- Do not expose the machine to high temperatures or high humidity. Never leave it on the dashboard or in the back of your car.
- Do not leave any rubber or vinyl on the machine for an extended period of time. Doing so may cause staining.
- Do not clean the machine with alcohol or other organic solvents. Use a soft, dry cloth only.
- Do not put any foreign objects into or anything on the machine.
- Use only the AC adaptor (model AD-60) designed exclusively for this machine. Use of any other adaptor may void the warranty.
- Do not try to disassemble the AC adaptor.
- When the machine is not being used for a long period of time and it is not necessary to keep the text files stored in the memory, disconnect the AC adaptor, and remove the batteries to prevent them from leaking and damaging the machine.
- When the AC adaptor is connected, unplugging the adaptor from the electrical outlet before unplugging it from the machine can delete all text files in the memory, even if batteries are installed.
- **Use six AA alkaline batteries in this machine.**
- If the batteries are not installed with their positive and negative poles pointing in the correct direction, the batteries may leak, overheat or burst, or the print head may overheat.

BATTERIES

This portable machine can be used anywhere by installing six (6) **AA alkaline batteries**. When you change the batteries, always replace all six at the same time.

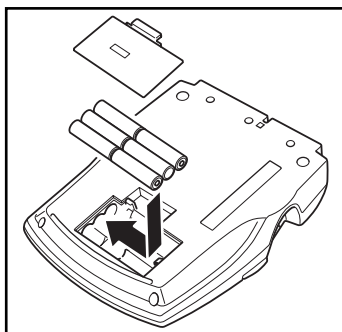
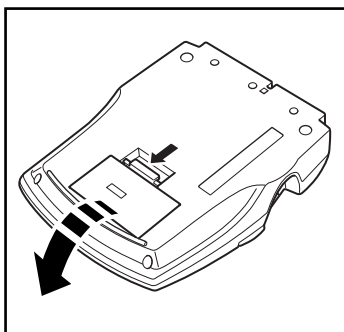
To change the batteries:

- 1 Remove the battery compartment cover on the back of the machine.
- 2 If batteries are already installed, remove them.
- 3 Insert six new AA alkaline batteries, making sure that their poles point in the correct direction.
- 4 Attach the battery compartment cover.

 *Be sure to insert the new batteries within five minutes of removing the old ones, otherwise the text shown in the display and any text files stored in the memory will be lost (unless the machine is plugged into an AC outlet with the AC adaptor).*

Remove the batteries and disconnect the AC adaptor if you do not intend to use this machine for an extended period of time. When the power is disconnected, all text shown in the display and stored in the memory will be lost.

If the batteries are not installed with their positive and negative poles pointing in the correct direction, the batteries may leak, overheat or burst, or the print head may overheat.



OPTIONAL AC ADAPTOR

The AC adaptor (model AD-60) allows you to use this machine wherever there is an electrical outlet.

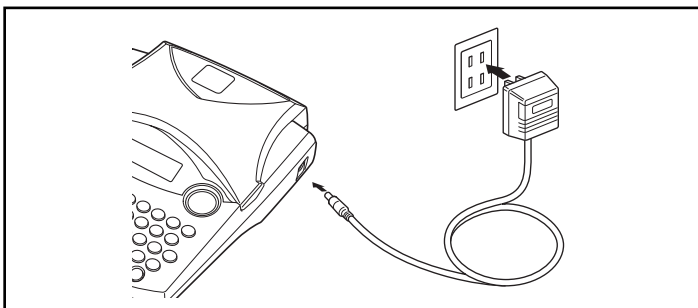
To connect the optional AC adaptor:

- 1 Insert the plug on the adaptor cord into the connector marked DC IN 9.5V on the right side of the machine.
- 2 Insert the plug on the adaptor into the nearest standard electrical outlet.

 *Only use the AC adaptor designed exclusively for this machine.*

Remove the batteries and disconnect the AC adaptor if you do not intend to use this machine for an extended period of time. When the power is disconnected, all text shown in the display and stored in the memory will be lost.

When the AC adaptor is connected, unplugging the adaptor from the electrical outlet before unplugging it from the machine can delete all text files in the memory, even if batteries are installed.







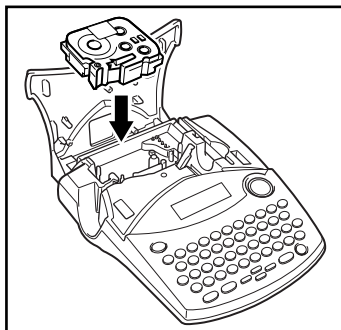
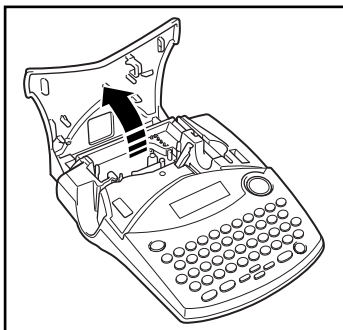
TAPE CASSETTE

A single TZ tape cassette is supplied with this unit. However, since TZ tape cassettes are available for this machine in a wide variety of colors and sizes, it is possible to make distinctive color-coded and stylized labels.

In addition, this machine has been designed to allow you to change the tape cassettes quickly and easily.

To change the tape cassette:

- 1 Lift open the tape compartment cover. The installed cassette is also released.
- 2 If a tape cassette is already installed, remove it by pulling it straight up.
- 3 If the ink ribbon in the tape cassette to be installed is loose, use your finger to wind the toothed wheel in the direction of the arrow on the cassette until there is no slack in the ribbon. Also, make sure that the end of the tape feeds under the tape guides.
 *If you are using a new tape cassette provided with a stopper, be sure to remove the stopper.*
- 4 Insert the tape cassette firmly into the tape compartment, making sure that the entire back of the cassette touches the bottom of the compartment.
 *When inserting the tape cassette, make sure that the inner ribbon does not catch on the corner of the metal guide.*
- 5 Close the compartment cover, and then turn on the machine, if it is off.
- 6 Hold down  and press  once to advance the tape and remove any slack.

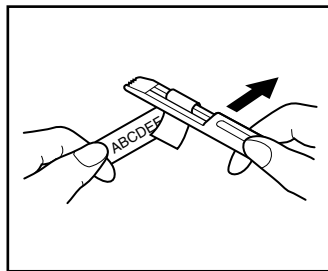
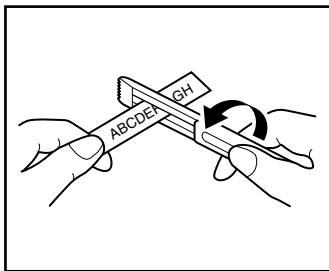
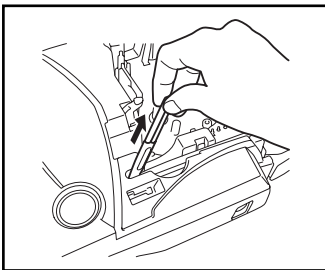


ATTACHING LABELS

LAMINATED TAPE

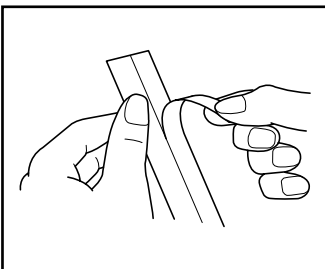
The enclosed stick enables you to easily remove the backing from labels printed on laminated tapes.

- 1 Hold the tape in your left hand, with the printed surface facing up, and hold the stick in your right hand.
- 2 Pass the tape halfway through the long narrow hole in the stick.
- 3 Turn the stick three-quarters of a turn towards you and pull the stick away from you as shown below.
- 4 Peel off the label backing.




NON-LAMINATED TAPE

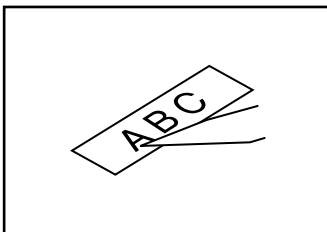
Labels printed on non-laminated tapes can be folded in half so that the inside edges of the two backing pieces come off the label, enabling the backing to easily be peeled off.



INSTANT-LETTERING TAPE (RUB-ON TRANSFERS)




Instant-lettering tape is used to transfer your text onto paper. After printing the text onto instant-lettering tape and cutting off the label, position the label with its non-printed side facing up on a sheet of paper. By simply rubbing the instant lettering tape's non-printed side with the enclosed stick, you can transfer the text directly onto the paper.

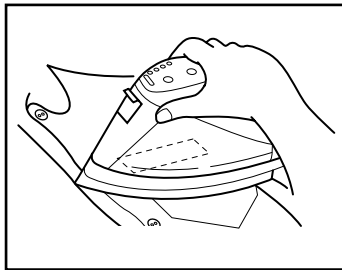
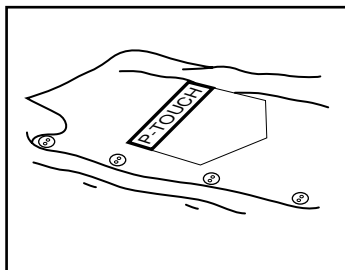
 *Hold the tape very firmly and do not move it while rubbing the tape.*




IRON-ON TRANSFER TAPE

Iron-on transfer tape is used to transfer your text onto garments using an iron.

- 1 Insert an iron-on transfer tape cassette, and then press  to print the text. If the **Auto cut** function is set to **ON**, the label will automatically be cut off after it is printed. If the **Auto cut** function is set to **OFF**, hold down  and press  to feed and cut off the label.
- 2 Iron the garment to flatten it before transferring the text.
- 3 Place the label on the garment at the location where you wish the text to be transferred.
- 4 Set the iron to cotton (150 to 180 °C), and then press down on the label with the iron for about 15 seconds.
- 5 Allow the iron-on transfer to cool (for about 60 seconds), and then carefully remove the backing paper.



 *White garments made from 100% cotton with a plain (smooth) surface are best for iron-on transfers.*

You can also make transfers to garments made from 100% linen or cotton/polyester blends as long as they have a plain (smooth) surface.

The label will not adhere properly to any cloth with a rough surface, such as pile or denim, or with a waterproof surface. Heat-sensitive materials, such as nylon, acetate or other similar fibres, are also unsuitable as they may be damaged when pressing with an iron at a high temperature.

Do not move the iron while pressing, otherwise the label may move out of the desired position. Press the iron straight down onto the cloth.

After the backing tape has been removed, the transferred label may appear glossy. In addition, some white spots may have appeared on the label if it was touched while the backing tape was peeled off. These can be removed by ironing over the label with a piece of cloth placed between the label and the iron.

Since the transferred label cannot be removed once it is applied, make all transfers with care.

Washing:

Garments with transfer labels can be washed over 20 times if the label has been transferred correctly. Normal biological and non-biological household detergents may be used.

The label may become discoloured if the garment is placed in bleach for an extended length of time.

Be careful that hard objects such as buckles or buttons do not come into contact with the label during the wash.

Do not dry clean garments which have had transfer labels applied.

Drying:

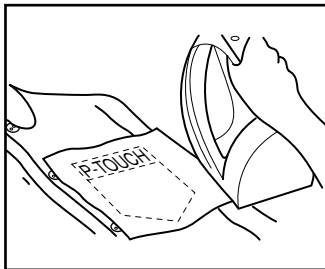
Garments with transfer labels may be dried either inside or outside out.

Do not tumble dry. The transfers will come off and may stick to other items of clothing.

Ironing:

Iron garments with transfers using normal temperature settings.

Be sure to place a piece of cloth between the iron and the label when you iron over it to prevent the label from sticking to the iron.



The labels are non-toxic, however, please maintain the usual precautions, such as not placing them in your mouth, etc.

Do not store the tape cassette in areas exposed to direct sunlight, high humidity or dust.

FABRIC TAPE

Fabric tape is used to attach a piece of fabric printed with your text onto garments using an iron. After printing the text onto fabric tape and cutting off the label using scissors, place the label on an ironed garment at the location where you wish to attach it in such a way that the printed text can be read correctly. Cover the label with another piece of cloth and use an iron set to a medium-high temperature (320 to 356 °F (160 to 180 °C)) to press down firmly for 15 to 30 seconds. For more details, refer to the instructions included with the fabric tape cassette.

STAMP TAPE

Refer to pages 26 through 28 for a detailed explanation on using the stamp tape to make stamps.

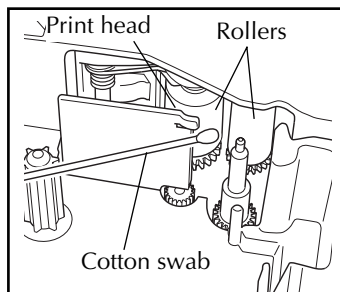
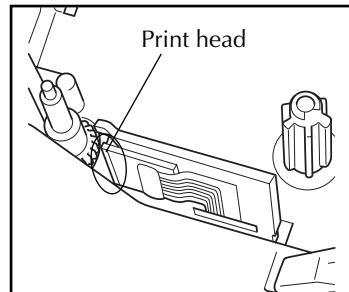
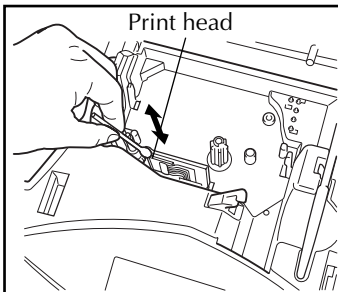
PRINT HEAD & ROLLERS


Occasionally, specks of dust or dirt become attached to the machine's print head and rollers. This is particularly likely when you are using the unit outdoors or in a very dusty environment. If a section of the print head is covered with dust, a white horizontal streak may appear through the label text. Therefore, as with a tape recorder, the machine's head may need to be cleaned from time to time.

To clean the print head and rollers:

- 1 Turn off the machine.
- 2 Open the tape compartment cover, and then remove the tape cassette if one is installed. The print head and rollers are located in the tape compartment.
- 3 **Print head:** Use a dry cotton swab to gently wipe the print head with an up-and-down motion.
Rollers: Use a dry cotton swab to wipe each roller with an up-and-down motion while rotating them with your finger.
- 4 Install a tape cassette, close the tape compartment cover, and then try printing again.
- 5 If a white streak still appears in the label, repeat steps 3 and 4 using a cotton swab dipped in isopropyl (rubbing) alcohol.


If none of the above works, contact your service representative.



 *The print head can be cleaned more easily if the optional print head cleaning cassette (TZ-CL4) is used.*


For Your Information

POWER KEY

The **Power** key () is located in the lower-right corner of the keyboard. If batteries have been installed or the machine has been plugged in using the optional AC adaptor, the previous session's information is displayed when the machine is turned on. This feature allows you to stop work on a label, turn off the machine, and return to it later without having to re-enter the text.

The machine will automatically turn off if no key is pressed within 5 minutes. The machine's internal memory stores the current session's information and displays it when you turn on the machine again.

To turn on the machine:

- Press . The previous session's information appears in the LCD display.

To turn off the machine:



- Press . The current session's information is stored in the internal memory.

CURSOR KEYS


The machine's LCD display shows two rows of 9 characters; however, the text that you create can be up to 99 characters long. You can review and edit different parts of the left by moving the cursor backward and forward.

LEFT CURSOR KEY


To move the cursor one character to the left:

- Press  once.
 *If this key is pressed when the cursor is at the beginning of a line following another line, the cursor moves to the end of the previous line.*

To move the cursor several characters to the left:


- Hold down  until the cursor moves to the desired position.

To move the cursor to the beginning of the current line:


- Hold down  and press .

RIGHT CURSOR KEY

To move the cursor one character to the right:

- Press  once.
 - *If this key is pressed when the cursor is at the end of a line followed by another line, the cursor moves to the beginning of the next line.*

To move the cursor several characters to the right:


- Hold down  until the cursor moves to the desired position.

To move the cursor to the end of the current line:


- Hold down  and press .

UP CURSOR KEY

To move the cursor up to the previous line:

- Press  once.
 - *If the cursor is in the first line of text, it will move to the beginning of the line.*

To move the cursor up several lines:


- Hold down  until the cursor moves to the desired line.

To move the cursor to the beginning of the entire text:


- Hold down  and press .

DOWN CURSOR KEY

To move the cursor down to the following line:

- Press  once.
 - *If the cursor is in the last line of text, it will move to the end of the line.*

To move the cursor down several lines:

- Hold down  until the cursor moves to the desired line.

To move the cursor to the end of the entire text:


- Hold down  and press .

CODE, ALT & SHIFT KEYS

Most characters can be entered simply by pressing their keys. However, to use special functions or to enter capital letters, accented characters and some symbols, the following special keys are necessary.

CODE KEY

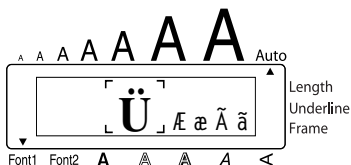
To use a function printed above a key:

- Hold down  and press the key immediately below the desired function.

EXAMPLE

To start the Symbol function:

- Hold down **Code** and press **Alt** once.



ALT KEY

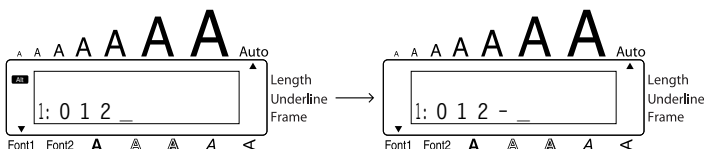
To type in characters printed in color on the right-hand side of the keys:

- Hold down **Alt** and press the key of the desired character written in color. The **Alt** indicator on the left side of the display comes on while **Alt** is held down.

EXAMPLE

To type in “-”:

- Hold down **Alt** and press **/, -** once. The **Alt** indicator comes on while **Alt** is held down.



SHIFT KEY

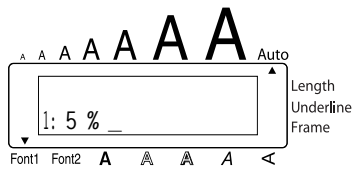
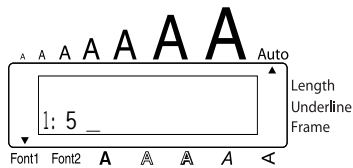
To type in an uppercase letter or a symbol printed in the top left-hand corner of a key:

- Hold down ^{Caps}Shift and press the key of the desired letter or symbol.

EXAMPLE

To type in “%”:

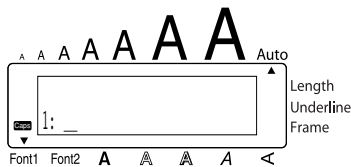
- Hold down ^{Caps}Shift and press ^{Underline}% 5.



The **Caps** mode is similar to holding down ^{Caps}Shift. It allows you to type capital letters continuously.



To type in many capital letters:

- 1 Hold down ^{Code}Code and press ^{Caps}Shift. The **Caps** indicator on the left side of the display comes on.



- 2 Press the keys of the desired letters or symbols.
- 3 To exit **Caps** mode, hold down ^{Code}Code and press ^{Caps}Shift. The **Caps** indicator goes off.

SPACE KEY

The **Space** key () lets you add blank spaces between characters in your text. It is different from the right cursor key (), which just moves the cursor without adding blank spaces.

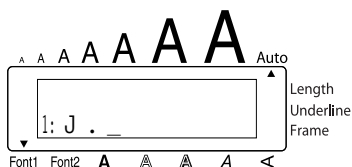
To add a space:

- Press .


EXAMPLE


To add a space:

- Press .




RETURN KEY

As on a typewriter or word processor, this machine's **Return** key () is used to end a line of text and start another one. When you have finished entering one line, press the return key to make a new line and move the cursor to it.

- *The text can only contain a maximum of four lines. If you press  when four text lines already exist, the error message "4 LINE LIMIT!" will appear.*


Tape widths	Maximum number of lines that can be printed
1/4" (6 mm)	2
3/8" (9 mm)	2
1/2" (12 mm)	3
3/4" (18 mm)	4
Stamp 3/4" (18 mm)	3

The return key can also be used to select an item from a list (e.g., add a symbol or accented character to the text) or to apply a selected setting.


Some questions asking you to confirm a command may appear on the LCD display, especially when the function that you have chosen will delete or affect files. In these cases, pressing  is like answering “yes”.

 To answer “no”, press . Refer to DELETE KEY on page 18.


To add a new line:

- Press . The return mark (↵) appears to indicate the end of the line.

To select an item from a list:




- Press .

To answer “yes”:

- Press .

TAB FUNCTION

This function allows you to separate sections of a line of text by adding tabs. This enables you to create perfectly aligned columns without having to type in several spaces. All tabs have the same length and are measured from either the beginning of the line or the previous tab, if there is more than one. The tab length can be set between 0.0” and 11.8” (0.0 and 30.0 cm).

 The text cannot contain more than 50 tabs. If the maximum number of tabs has already been added to the text when  is held down and  is pressed, the error message “TAB LIMIT!” appears.

Part No.	Product	Price
8667	Printer	\$300
122960	Fax	\$100

To set the tab length:

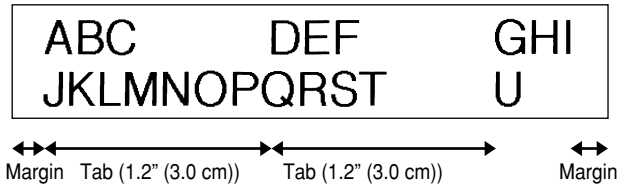
- 1 Hold down **Code** and press **W** once. The current tab length is displayed.
- 2 Press **Home** or **End** until the desired length is displayed or use the number keys to type in the length.
*To change the units (inches or centimeters) used to display the tab lengths, press **M** until the desired units are displayed.*
- 3 Press **↵**.

To add a tab:

- Hold down **Code** and press **Q** once. The tab mark (**T**) appears in the text to indicate the position of the tab.
*If the text in front of a tab extends past the point where the next section of text should start, the text will instead start at the following tab position.
For example, if the tab length is set to 1.2" (3.0 cm) and the following text is typed in:*

1: A B C **T** D E F **T** G H I J
2: J K L M N O P Q R S T **T** U

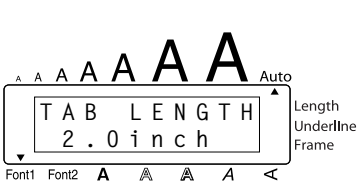
The label shown below will be printed.





EXAMPLE

To set the tab length to 1":

- 1 Hold down **Code** and press **W** once.





2 Press  until **1.0** is displayed.

3 Press .





To add a tab:


- Hold down  and press  once.



DELETE KEY






The **Delete** (backspace) key () allows you to remove characters to the left of the cursor's current position. It differs from the left cursor key (), which only moves the cursor without deleting any characters.

The delete key can also be used to quit most functions and return to the previous display without changing the text.






Some questions asking you to confirm a command may appear on the LCD display, especially when the function that you have chosen will delete or affect files. In these cases, pressing  is like answering "no".

 To answer "yes", press . Refer to RETURN KEY on page 15.


To delete one character:

- 1 Press , ,  or  to position the cursor below the character immediately to the right of the character that you wish to delete.
- 2 Press  once.


To delete a sequence of characters:

- 1 Press , ,  or  to position the cursor below the character immediately to the right of the last character that you wish to delete.
- 2 Hold down  until all of the characters that you wish to delete are deleted.

To quit a function without changing your text:

- Press  to return to your text.










To answer “no”:

- Press .

LINE OUT FUNCTION

With the **Line Out** function, you can easily remove an entire line of text.

To delete a line of text:

- Press , ,  or  to position the cursor within the line of text that you wish to delete.
 - Hold down  and press  once.
-  Each time  is pressed while  is held down, one line of text is deleted.

EXAMPLE

To delete “012-345-6789”:


- Hold down **Code** and press **Line Out** (0) once.



CLEAR FUNCTION

When clearing the display before entering new text, the **Clear** function can be used to choose whether all of the text is erased and all format functions (**Font**, **Size**, **Width**, **Style**, **Underline**, **Frame**, **Tape margin**, **Alignment**, **Tab length**, **Mirror printing**, and **Length**) are returned to their default settings, or whether just the text is erased.

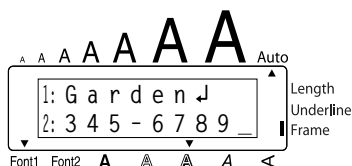
To delete all of the text and return all formats to their default settings:

- 1 Hold down **Code** and press **BS**.
- 2 Press **Home** or **End** until **TXT&FORMAT** is selected (flashing).
 To return to the text without erasing anything, press **BS**.
- 3 Press **Enter**.

EXAMPLE

To clear the text and formats:

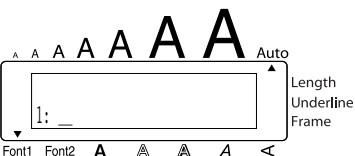
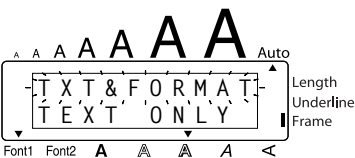
- 1 Hold down **Code** and press **BS**.



- 2 Press **Home** until **TXT&FORMAT** is flashing.



- 3 Press **Enter**.



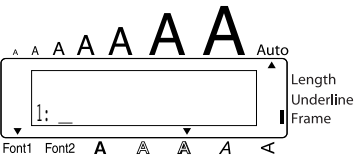
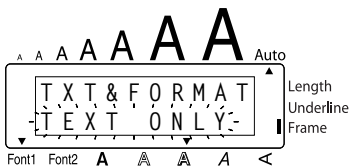
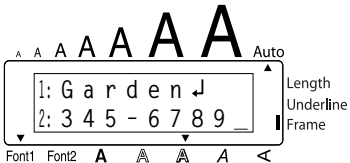
To delete just the text:

- 1 Hold down **Code** and press **BS**.
- 2 Press **Home** or **End** until **TEXT ONLY** is selected (flashing).
*To return to the text without erasing anything, press **BS**.*
- 3 Press **↵**.

EXAMPLE

To clear just the text:

- 1 Hold down **Code** and press **BS**.
- 2 Press **End** until **TEXT ONLY** is flashing.
- 3 Press **↵**.



ACCENT FUNCTION

The **Accent** function can also be used to add accented characters to your text. Many of these characters can also be typed in using the **Symbol** function.

The accented characters are grouped according to the capital or small letter that they are combined with. The following accented characters are available:

Letters	Accented characters	Letters	Accented characters
A	À Á Â Ã Ä Å Æ	i	í î ï
a	à á â ã ä å æ	N	Ñ
C	Ç	n	ñ
c	ç	O	Ó Ô Õ Ö
E	È É Ê Ë Ì	o	ó ô õ ö
e	è é ê ë ì	U	Ù Ú Û Ü
l	í î ï	u	ù ú û ü

To type in an accented character:

- 1 Hold down **Code** and press **⌘** (with **Accent** above it). The message "ACCENT a – u / A – U?" appears on the display.
- 2 Press the key of the letter in the desired accented character.
 - ☞ To type a capital letter, hold down **⌘** (with **Caps** above it) (or hold down **Code** and press **⌘** (with **Caps** above it) to turn on **Caps** mode) before pressing the letter key.
- 3 Press **⏪** or **⏩** until the desired accented character appears enlarged within the frame in the middle of the display.
- 4 Press **⏴**. The accented character is added to the text.
 - ☞ To type in a series of accented characters, hold down **Code** before pressing **⏴**. Then, continue adding accented characters by selecting them as explained in steps 2 and 3, and holding down **Code** while pressing **⏴**. Press just **⏴** after selecting the last character in the series.

EXAMPLE

To add the accented character “É”:

- 1 Hold down **Code** and press **A**.



- 2 Hold down **Shift** and press **E**.



- 3 Press **Right Arrow** until **É** appears in the frame.



- 4 Press **Left Arrow**.



SYMBOL FUNCTION

In addition to the letters, symbols and numerals on the key tops, there are 53 additional marks available with the **Symbol** function.

The following symbols are available:

Group	Symbol
1	Ü Æ æ Ã ã Ě ě Œ œ • ° ™
2	+ × ÷ = § ² ³ ² ³ ⁴ []
3	↑ ↓ → ← ↵ ↶ ® © ☎ ☒ ☒ ☒ ☒
4	☎ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒
5	☎ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

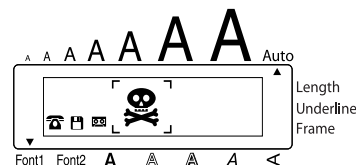
To type in a symbol:


- 1 Hold down **Code** and press **Alt**. A row of symbols appears in the display.
- 2 Press **Home** or **End** to display different rows of symbols and press **<<** or **>>** until the desired symbol appears enlarged within the frame in the middle of the display.
- 3 Press **<**. The symbol is added to the text.
*To type in a series of symbols, hold down **Code** before pressing **<**. Then, continue adding symbols by selecting them as explained in steps 2 and 3, and holding down **Code** while pressing **<**. Press just **<** after selecting the last symbol in the series.*

EXAMPLE

To add the symbol “Œ”:

- 1 Hold down **Code** and press **Alt**.
- 2 Press **Home** or **End** until the row containing “Ü” appears, and then press **<<** or **>>** until “Œ” appears in the frame.



3 Press .



AUTO FORMAT FUNCTION

With the **Auto Format** function, you can select from a variety of preset formats perfect for your specific need. This function automatically adjusts the label length, tape margins and horizontal alignment without changing the text or any other formats, allowing you to create labels faster and easier.

The following preset formats are available:

Auto Format Setting	Label Length Setting	Tape Margin Setting	Horizontal Alignment Setting
DEFAULT	OFF	FULL	LEFT
3.5" FLOPPY	2.8" (7.0 cm)	NARROW	CENTER
miniDV	1.7" (4.3 cm)	NARROW	CENTER
VHS SPINE	5.5" (14.0 cm)	NARROW	CENTER
VHS	3.0" (7.7 cm)	NARROW	CENTER
VCR8mm CASE	3.6" (9.2 cm)	NARROW	CENTER
VCR8mm	2.9" (7.3 cm)	NARROW	CENTER
VHS-C SPINE	1.8" (4.5 cm)	NARROW	CENTER
VHS-C	2.3" (5.8 cm)	NARROW	CENTER
AUDIO CASSETTE	3.5" (8.9 cm)	NARROW	CENTER
DAT CASSETTE	2.2" (5.6 cm)	NARROW	CENTER
MINI DISK	2.0" (5.2 cm)	NARROW	CENTER
ORGANIZER L	3.2" (8.2 cm)	NARROW	CENTER
ORGANIZER S	2.6" (6.5 cm)	NARROW	CENTER
FILE LONG	7.2" (18.3 cm)	NARROW	CENTER
FILE SHORT	3.7" (9.4 cm)	NARROW	CENTER

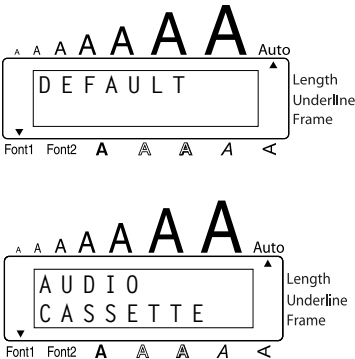
To select a preset format:

- 1 Hold down **Code** and press **AFormat** once. The currently selected setting appears in the display.
- 2 Press **Home** or **End** to select the desired setting.
 To return to default settings, press **Feed&Cut** **Space**.
- 3 Press **Enter** to apply the selected setting.
 The **Length** indicator comes on if any setting other than **DEFAULT** is selected.

EXAMPLE

To select the AUDIO CASSETTE setting:

- 1 Hold down **Code** and press **AFormat**.
- 2 Press **Home** or **End** until the **AUDIO CASSETTE** setting is displayed.
- 3 Press **Enter**.





STAMP FUNCTION

The **Stamp** function allows you to quickly and easily create your own stamp stencil films for customized stamps. After inserting a stamp film cassette, select this function to automatically center the text and adjust the tape length and margins to a perfect format for the pre-inked stamp film holders. Since the stamp holder is reusable, just make a new stamp stencil film and replace the one in the holder.

To make a stamp:

- 1 Type in the text, and then insert a medium (3/4" (18-mm) wide) stamp film cassette.
- 2 Hold down **Code** and press **Stamp** once. The message "STAMP FORMAT?" appears in the display.

- 3 Press . The text is automatically formatted for the installed stamp: centered within the preset message area with the tape length and margins automatically adjusted.
- 4 Press  to cut the text out of the stamp stencil film.
- 5 After the stamp stencil film is cut off, remove the backing paper from the stamp stencil film and affix it to the ink pad of a stamp film holder.

EXAMPLE

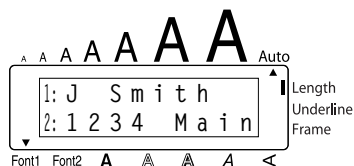
To cut a stamp:


- 1 Enter the text and insert a stamp film cassette in the tape compartment.

- 2 Hold down  and press .



- 3 Press .

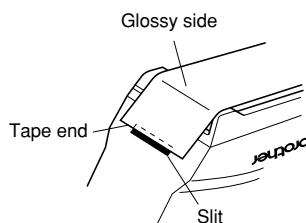


- 4 Press  to engrave the stamp stencil film, and then automatically cut it off.

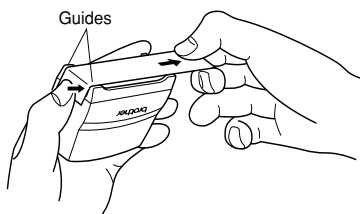


To affix a stamp:

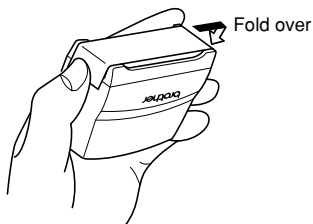
- 5 Remove the stamp frame from around the stamp film holder ink pad, one side at a time, and then remove the protective seal covering the ink pad and the backing paper from the stamp stencil film.
- 6 With the glossy side of the stamp stencil film upward, align one of its ends with the slit on the side of the stamp film holder.



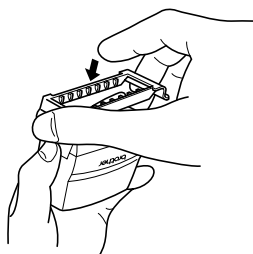
- 7 Hold the end of the stamp stencil film in place with your thumb, and then pass the tape through the guides while pulling it tight.




- 8 Fold the other end of the stamp stencil film over the other side of the stamp film holder and hold it in place with your finger.

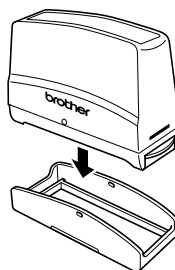


- 9 Fit the stamp frame over the stamp stencil film and push it into place.



- 10 Insert the stamp film holder straight into its cap.

 Be sure that the stamp is correctly covered in order to prevent ink spills.



FONT FUNCTION

With the **Font** function, you can choose one of two fonts for your text.


The following font settings are available:

FONT 1	FONT 2
--------	--------

The default font setting is **FONT 1**. The font indicator at the bottom left of the display shows the currently selected font setting.

To change the font setting:

- 1 While holding down **Code**, press **Font** once, and keep **Code** held down to display the current font setting.
- 2 While still holding down **Code**, continue pressing **Font** until the desired font setting is displayed.

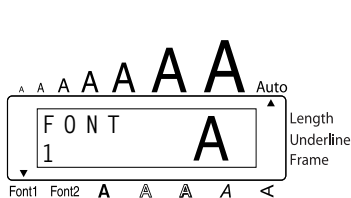
 The current font setting is shown by the font indicator at the bottom left of the display.

- 3 Release **Code** to apply the selected font setting to the entire text.

EXAMPLE

To select the FONT 2 font setting:

- 1 While holding down **Code**, press **Font** once, and keep **Code** held down.



- 2 While still holding down **Code**, continue pressing **Font** until **FONT 2** is displayed.



- 3 Release **Code**.


SIZE & WIDTH FUNCTIONS

The character size can be adjusted using both the **Size** and **Width** functions. Since the character size that can be used depends on the width of the tape, the following table shows the character sizes that can be used with each tape width.

Tape Widths	Sizes (in points)
1/4" (6 mm)	6, 9, 12
3/8" (9 mm)	6, 9, 12, 18
1/2" (12 mm)	6, 9, 12, 18, 24
3/4" (18 mm)	6, 9, 12, 18, 24, 36, 42


The default size setting is **AUTO** and the default width setting is **OFF**. The currently selected size setting is always shown by the indicator above the display.

With the **AUTO** size setting, the machine compares your text with the width of the installed tape and automatically adjusts the characters to the largest possible size. However, seven other point sizes are also available, and each can be printed with either of the two width settings.

 With the **AUTO** setting selected and 1/2" (12-mm) or 3/4" (18-mm) wide tape installed, text consisting of just one line of only uppercase letters (and no accented characters) will be printed with a character size slightly larger than a similar sentence also containing lowercase letters (i.e., 29 points for 1/2" (12-mm) wide tape and 52 points for 3/4" (18-mm) wide tape).

Size Setting (in points)	Width Setting Off	Width Setting On
6	ABC	ABC
9	ABC	ABC
12	ABC	ABC
18	ABC	ABC
24	ABC	ABC
36	ABC	ABC
42	ABC	ABC

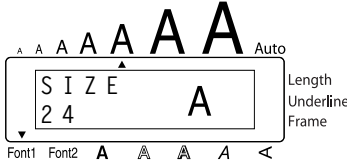
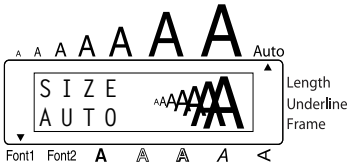
To change the size setting:

- 1 While holding down **Code**, press **Size @ 2** once, and keep **Code** held down to display the current size setting.
- 2 While still holding down **Code**, continue pressing **Size @ 2** until the desired size setting is displayed.
-  *The current size setting is shown by the size indicator at the top of the display.*
- 3 Release **Code** to apply the selected size setting to the entire text.

EXAMPLE

To select the 24 point size setting:

- 1 While holding down **Code**, press **Size @ 2** once, and keep **Code** held down.
- 2 While still holding down **Code**, continue pressing **Size @ 2** until **24** is displayed.
- 3 Release **Code**.



To change the width setting:

- 1 While holding down **Code**, press **Width # 3** once, and keep **Code** held down to display the current width setting.
- 2 While still holding down **Code**, continue pressing **Width # 3** until the desired width setting is displayed.
- 3 Release **Code** to apply the selected width setting to the entire text.

EXAMPLE

To select the ON width setting:

- 1 While holding down **(Code)**, press **(# 3)** once, and keep **(Code)** held down.




- 2 While still holding down **(Code)**, continue pressing **(# 3)** until **ON** is displayed.



- 3 Release **(Code)**.

STYLE FUNCTION

You can choose from nine different character styles to apply to your text.

 Characters printed using the smaller sizes may be difficult to read if certain style settings (e.g., **I+SHAD**) are selected.

The following style settings are available:

NORMAL, **BOLD**, **OUTLINE**, **SHADOW**, **ITALIC**, **I+BOLD** (italic & bold), **I+OUTL** (italic & outline), **I+SHAD** (italic & shadow), **VERT** (vertical)

The default style setting is **NORMAL**. The style indicator at the bottom of the display shows the current style setting when any setting other than **NORMAL** is selected.

Refer to *Reference* at the end of this section for samples of the available settings.

To change the style setting:

- 1 While holding down **(Code)**, press **(S 4)** once, and keep **(Code)** held down to display the current style setting.
- 2 While still holding down **(Code)**, continue pressing **(S 4)** until the desired style setting is displayed.

 The current style setting is shown by the style indicator at the bottom of the display.

- 3 Release **(Code)** to apply the selected style setting to the entire text.

EXAMPLE

To select the I+SHAD style setting:

- While holding down **Code**, press **Style** **S/4** once, and keep **Code** held down.



- While still holding down **Code**, continue pressing **Style** **S/4** until **I+SHAD** is displayed.



- Release **Code**.

REFERENCE

Font Setting	Style Setting				
	NORMAL	BOLD	OUTLINE	SHADOW	ITALIC
FONT 1	abc	abc	abc	abc	abc
FONT 2	abc	abc	abc	abc	abc

Font Setting	Style Setting			
	I+BOLD	I+OUTL	I+SHAD	VERT
FONT 1	abc	abc	abc	abc
FONT 2	abc	abc	abc	abc

UNDERLINE FUNCTION

You can emphasize your text by underlining it.


The default underline setting is **OFF**. When the **Underline** function is set to **ON**, the **Underline** indicator on the right side of the display comes on.

UNDL
ON

ABC

(Sample)

To turn the Underline function on or off:

- 1 While holding down **Code**, press ^{Underline}**% 5** once, and keep **Code** held down to display the current underline setting.
 - 2 While still holding down **Code**, continue pressing ^{Underline}**% 5** until the desired underline setting is displayed.
-  The **Underline** indicator comes on when the **ON** setting is selected.
- 3 Release **Code** to apply the selected underline setting to the entire text.

EXAMPLE

To select the ON underline setting:

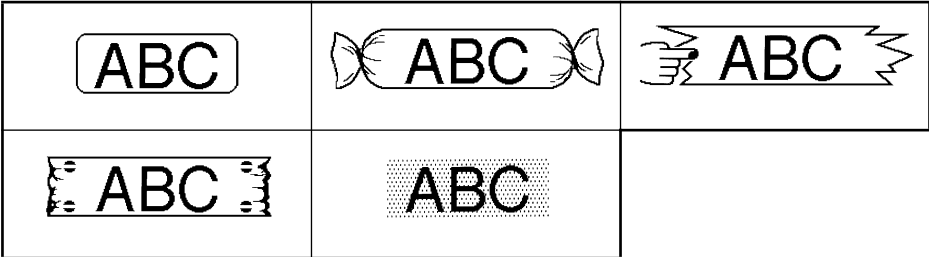
- 1 While holding down **Code**, press ^{Underline}**% 5** once, and keep **Code** held down.
- 2 While still holding down **Code**, continue pressing ^{Underline}**% 5** until **ON** is displayed.
- 3 Release **Code**.



FRAME FUNCTION

With the **Frame** function, you can choose from various frames and highlights to design a more decorative or emphasized label.

The default setting is **OFF**; however, the following five settings are also available.



When any setting other than **OFF** is selected, the **Frame** indicator on the right side of the display comes on.

To change the frame setting:

- ① While holding down **(Code)**, press **(F6)** once, and keep **(Code)** held down to display the current frame setting.
- ② While still holding down **(Code)**, continue pressing **(F6)** until the desired frame setting is displayed.

The **Frame** indicator comes on when any setting other than **OFF** is selected.

- ③ Release **(Code)** to apply the selected frame setting to the entire text.

EXAMPLE

To select the candy frame setting:

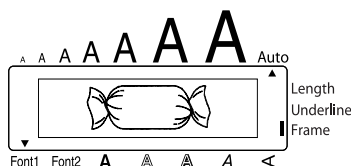
- ① While holding down **(Code)**, press **(F6)** once, and keep **(Code)** held down.



EXAMPLE

- ② While still holding down **Code**, continue pressing **Frame** until the candy frame is displayed.

- ③ Release **Code**.



TAPE MARGIN FUNCTION

The **Tape margin** function allows you to adjust the size of the margins on the left and right sides of your text.

The default tape margin setting is **FULL**; however, three other settings are also available.

FULL

(1" (24 mm) margins)



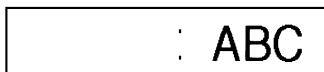
NONE

(5/64" (2 mm) margins)



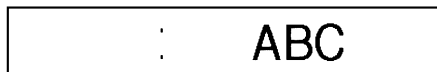
NARROW

(1/6" (4 mm) margins)



HALF

(1/2" (12 mm) margins)



⚠ When a setting other than **FULL** is selected, extra tape is fed out before printing starts.

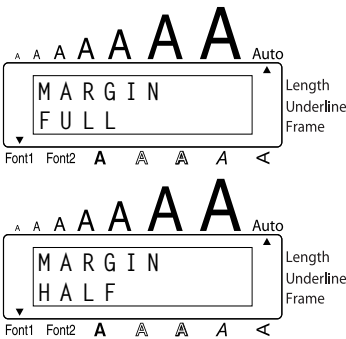
To change the tape margin setting:

- 1 While holding down **Code**, press **E** once, and keep **Code** held down to display the current tape margin setting.
- 2 While still holding down **Code**, continue pressing **E** until the desired tape margin setting is displayed.
- 3 Release **Code** to apply the selected tape margin setting to the entire text.

EXAMPLE

To select the HALF tape margin setting:

- 1 While holding down **Code**, press **E** once, and keep **Code** held down.
- 2 While still holding down **Code**, continue pressing **E** until **HALF** is displayed.
- 3 Release **Code**.



HORIZONTAL ALIGNMENT FUNCTION

You can choose to align the text in one of three ways. In addition, if the **Length** function was used to set the length of the label, the text will align within the label according to the selected horizontal alignment setting.

The default setting is **LEFT**; however, two other settings are also available.

LEFT

AB
CDE
FG

RIGHT

AB
CDE
FG

CENTER

AB
CDE
FG

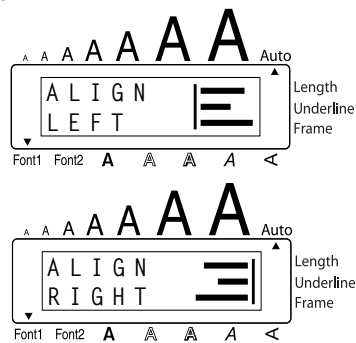
To change the horizontal alignment setting:

- 1 While holding down **Code**, press **Align** **R** once, and keep **Code** held down to display the current horizontal alignment setting.
- 2 While still holding down **Code**, continue pressing **Align** **R** until the desired horizontal alignment setting is displayed.
- 3 Release **Code** to apply the selected horizontal alignment setting to the entire text.

EXAMPLE

To select the RIGHT horizontal alignment setting:

- 1 While holding down **Code**, press **Align** **R** once, and keep **Code** held down.
- 2 While still holding down **Code**, continue pressing **Align** **R** until **RIGHT** is displayed.
- 3 Release **Code**.



MIRROR PRINTING FUNCTION

This function prints your label so that the text can be read from the adhesive side of the tape. If mirror-printed labels are attached to glass or some other transparent material, they can be read correctly from the opposite side.

When using the **Mirror printing** function, the text should be printed on clear tape.

The default mirror printing setting is **OFF**.



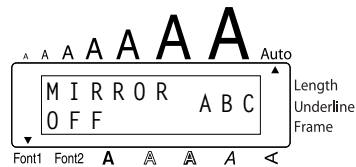
To turn the mirror printing setting on or off:

- 1 While holding down **Code**, press **Print** once, and keep **Code** held down to display the current mirror printing setting.
- 2 While still holding down **Code**, continue pressing **Print** until the desired mirror printing setting is displayed.
- 3 Release **Code** to apply the selected mirror printing setting to the entire text.

EXAMPLE

To select the ON mirror printing setting:

- 1 While holding down **Code**, press **Print** once, and keep **Code** held down.
- 2 While still holding down **Code**, continue pressing **Print** until **ON** is displayed.
- 3 Release **Code**.





LENGTH FUNCTION

Although the length of the printed label automatically adjusts to fit the length of the entered text, there may be times when you will want to make a label with a specific length. The **Length** function allows you to set the label length between 1.6" and 11.8" (4.0 cm and 30.0 cm).

The default length setting is **OFF**. When the **Length** function is set to **ON**, the **Length** indicator on the right side of the display comes on.

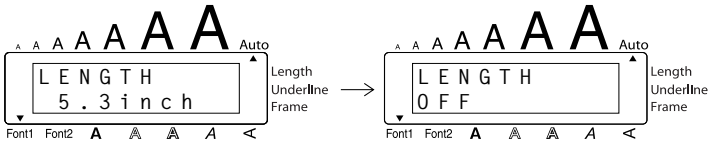
To turn the Length function on or off:

- 1 While holding down **Code**, press **Length** once, and keep **Code** held down to display the current length of the label (the text and both margins). Then the display will show the current label length setting (**ON** or **OFF**).
- 2 While still holding down **Code**, continue pressing **Length** until the desired label length setting is displayed.
 The **Length** indicator comes on when **ON** is selected.
- 3 Release **Code**. If **ON** was selected, the current label length setting is displayed.
- 4 Press **Home** or **End** to select the desired length or use the number keys to enter a length.
 To change the units (inches or centimeters) used to display the label length, press **Mn** until the desired units are displayed.
To change the length in 1" (1.0-cm) steps, hold down either **Home** or **End**, and then release the key when the desired setting is displayed.
- 5 Press **Left Arrow**.

EXAMPLE

To select a label length of 5":

- 1 While holding down **Code**, press **Length** once, and keep **Code** held down.



- 2 While still holding down **Code**, continue pressing **Length** until **ON** is displayed.



- 3 Release **Code**.






- 4 Press  until **5.0 inch** is displayed.









- 5 Press .

AUTO CUT FUNCTION

The **Auto cut** function allows you to set whether or not the machine will automatically cut each label after it is printed. Turn on the **Auto cut** function before starting to print in order to cut the labels automatically after printing them.




 After printing a label with the **Auto cut** function set to **OFF**, hold down  and press  once to feed the tape, then cut it.

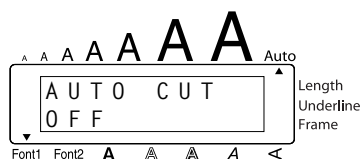
To turn the Auto cut function on or off:

- While holding down , press  once, and keep  held down to display the current auto cut setting.
- While still holding down , continue pressing  until the desired auto cut setting is displayed.
- Release  to apply the selected auto cut setting.

EXAMPLE

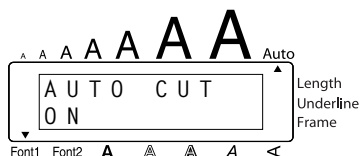
To turn the Auto cut function on:

- While holding down , press  once, and keep  held down.



2 While still holding down **Code**, continue pressing

A.Cut
Z until **ON** is displayed.



3 Release **Code**.

PRINT KEY

After you have entered your text and chosen the desired format settings, you are ready to print.

If the **Auto cut** function is set to **ON**, the label will automatically be cut after it is printed.

To print a label:

- Press **Mirror Print** once. The message “COPIES” followed by the number of the label being printed is displayed.

If the selected character size is too large for the width of the installed tape cassette, the message “CHR SIZE AUTO?” appears. To allow the text size to automatically be adjusted, press **Mirror Print** or **Left Arrow**. To stop the text size from being changed, press **Clear BS**.

EXAMPLE

To print and cut a label:



- Press **Mirror Print** once.



FEED & CUT FUNCTION

The **Feed & Cut** function is used to feed out 1" (24 mm) of tape and automatically cut it off. For example, after printing with the **Auto cut** function set to **OFF** or when printing has been interrupted.





To feed and cut off 1" (24 mm) of tape:


- Hold down  and press  once. 1" (24 mm) of tape is fed out and cut off.





NUMBERING FUNCTION

This function can be used to print many copies of the same text while increasing a certain number in the text by 1 after each label is printed.




To use the Numbering function:



- 1 Press , ,  or  to position the cursor below the number that you wish to increase.


- 2 Hold down  and press . The message "NUMBER UNTIL" appears in the display with the current setting.

 To cancel the **Numbering** function at any time, hold down  and press  (or press just ).

- 3 Use the number keys to type in the last number to be printed.

 The last number to be printed can also be selected by pressing  or .
A number lower than the one that was selected cannot be entered.

- 4 Press  (or ) to begin printing the labels. The number of each copy is displayed while it is being printed.

 If the **Tape margin** function is set to any setting other than **NONE**, a cutting guide (:) is printed between each label so the tape can be cut to the correct size.

EXAMPLE

To print three labels with numbers 1, 2 and 3:

- 1 Position the cursor below "1".



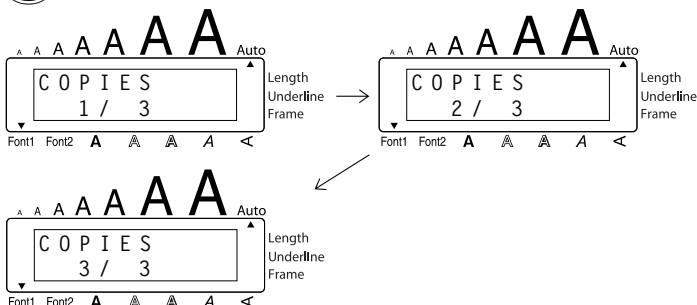
- 2 Hold down **Code** and press **0/0**.




- 3 Press **#3**.



- 4 Press **Mirror Print** (or **↶**).



 If the **Tape margin** function is set to any setting other than **NONE**, a cutting guide (:) is printed between each label so the tape can be cut to the correct size.




REPEAT PRINTING FUNCTION

This function allows you to print up to 9 copies of the same text.


To use the Repeat printing function:

- 1 Hold down **Code** and press **Repeat** (**1**). The message “COPIES” appears in the display with the default setting **1**, which will need to be changed, as necessary.

 To cancel the **Repeat printing** function at any time, hold down **Code** and press **Repeat** (**1**) (or press just **Clear** (**BS**)).

- 2 Press **Home** (**▲**) or **End** (**▼**) until the desired number of copies is displayed, or use the number keys to type in the number.

- 3 Press **Print** (**Print**) (or **Mirror** (**↶**)) to begin printing the labels. The number of each copy is displayed, while it is being printed.

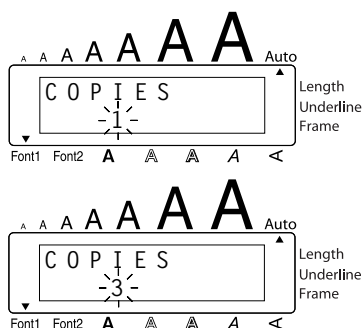
 If the **Tape margin** function is set to any setting other than **NONE**, a cutting guide (:) is printed between each label so the tape can be cut to the correct size.

EXAMPLE

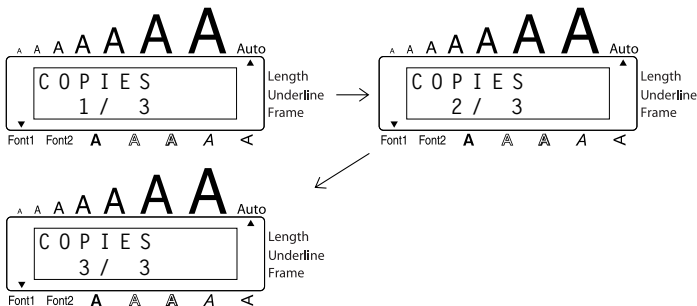
To print three copies of a label:


- 1 Hold down **Code** and press **Repeat** (**1**).

- 2 Press **Width** (**#** 3).





3 Press  (or ).



 If the **Tape margin** function is set to any setting other than **NONE**, a cutting guide (:) is printed between each label so the tape can be cut to the correct size.




MEMORY FUNCTIONS

You can use the **Memory** to store your most frequently used text files. The text remains in the memory, along with its formatting, even after all characters are removed from the display using the **Clear** function (holding down  and pressing ).



When each file is stored, it is given a number to make recalling it easier. Up to 10 text files or approximately 300 characters can be stored in the memory. (A single text file can have a maximum of 91 characters.)

Since a copy of the stored text file is recalled when the **Recall** function is used, the text can be edited or printed without changing the originally stored file. When a file is no longer needed or more space is necessary, the **Memory delete** function can be used to delete it.

 When inserting new batteries, be sure to insert the new ones within five minutes of removing the old ones, otherwise any text files stored in the memory will be lost (unless the machine is plugged into an electrical outlet with the AC adaptor).

STORING TEXT

To store a text file:

- 1 Hold down  and press . The message "STORE" appears on the display with the currently selected file number.

To quit the **Store** function without storing the text, hold down and press (or press just).

- 2 Press a number key (or press or) to select the file number where you wish to store the text.
- 3 Press . The text is stored under the selected file number and the text previously shown in the display reappears.

If a file is already stored under the selected file number, the message “OVERWRITE?” appears in the display and you must decide whether or not to overwrite it (delete it from the memory and store the new one).

If the maximum number of characters has already been stored, the error message “MEMORY FULL!” appears in the display. If this occurs, an existing text file must be deleted before the new one can be stored.

To overwrite the stored file with the new one:

- Press to delete the previously stored file and store the new one under the selected number.

To go back and choose another file number without overwriting the text file, press , and then select a different file number.

RECALLING TEXT

To recall a text file:

- 1 Hold down and press . The message “RECALL” appears on the display with the file number and beginning of the most recently stored or recalled text.

To quit the **Recall** function without recalling text, hold down and press (or press just).

- 2 Press a number key (or press or) to select the file number containing the text that you wish to recall. The text stored under the selected file number is shown.

To see other parts of the selected text file, press or .

To display the text stored under other file numbers, press or , or the key of a different file number.

- 3 Press . Any text previously entered in the display is erased and the text stored under the selected file number is recalled into the display.

DELETING A FILE

To delete a text file:

- 1 Hold down and press . The message “CLEAR” appears on the display with the file number and beginning of the most recently stored or recalled text.

To cancel the **Memory delete** function without deleting the text file, hold down and press (or press just).

2 Press a number key (or press or) to select the file number containing the text that you wish to delete. The text stored under the selected file number is shown.

To see other parts of the selected text file, press or .

To display the text stored under other file numbers, press or , or the key of a different file number.

3 Press . The message “OK TO CLEAR?” appears.

To go back and select a different text file, press .

4 Press to delete the text file that was selected.

EXAMPLE

To store text under file number 4:

1 Hold down and press .



2 Press .



3 Press .



To recall the text from file number 1:

- 1 Hold down **Code** and press **Recall** ^{*8}.



- 2 Press **Font** ¹.



- 3 Press **Enter**.



To delete the text stored under file number 4:

- 1 Hold down **Code** and press **M.Del** ⁽⁹⁾.



- 2 Press **Style** ^{\$4}.





- 3 Press **Enter**.














- 4 Press **Enter**.







TROUBLESHOOTING

Problem	Remedy
1. The display stays blank after you have turned on the machine.	<ul style="list-style-type: none"> • Check that the AC adaptor is connected correctly. • If you are using alkaline batteries, check that they are correctly inserted. • If the batteries are low, replace them with new ones.
2. The machine does not print or the printed characters are blurred.	<ul style="list-style-type: none"> • Check that the tape cassette has been inserted properly. • If the tape cassette is empty, replace it with a new one. • Make sure that the tape compartment cover has been closed.
3. The text files that you stored in the memory are no longer there.	<ul style="list-style-type: none"> • If the batteries are low, replace them with new ones.
4. The printed characters are not formed properly.	<ul style="list-style-type: none"> • If you are using alkaline batteries, they may be low. Try using the AC adaptor or replace the batteries with new ones.
5. A blank horizontal line appears through the printed label.	<ul style="list-style-type: none"> • Clean the print head as explained on page 10.
6. Striped tape appears.	<ul style="list-style-type: none"> • You have reached the end of the tape. Replace the tape cassette with a new one.
7. The machine has “locked up” (i.e., nothing happens when a key is pressed).	<ul style="list-style-type: none"> • Turn off the machine, and then while holding down  and , turn the machine back on. The text and formats in the display and all text files stored in the memory are erased.

ERROR MESSAGE LIST

Error Message	Cause	Remedy
4 LINE LIMIT!	This message appears if four lines already exist when you press  .	Limit the number of lines to four.
BATTERIES WEAK!	This message appears when the installed alkaline batteries become weak.	Replace the batteries or use the AC adaptor.
BUFFER EMPTY!	<ul style="list-style-type: none"> This message appears if you hold down  and press , but no text has been entered in the display. 	<ul style="list-style-type: none"> Enter some text before starting this function.
	<ul style="list-style-type: none"> This message appears if you try to print, but no text has been entered in the display. 	<ul style="list-style-type: none"> Enter text before printing.
BUFFER FULL!	This message appears if you try to enter a character, symbol, return or space after the maximum number of characters has already been entered.	Delete some existing text so that more text can be entered.
CAN'T HERE!	This message appears if the cursor is at the end of the text when you hold down  and press  .	Move the cursor below a number before holding down  and pressing  .
CHANGE ADAPTOR!	This message appears if a high-voltage adaptor is being used.	Remove the high-voltage adaptor and connect the adaptor designed exclusively for this machine.
CUTTER ERROR!	This message appears if the tape cutter is closed when you try to print or feed the tape.	Turn the P-touch off, then on again.
INVAL. CHRS!	This message appears if the cursor is not below a number when you hold down  and press  .	Move the cursor below a number before holding down  and pressing  .

Error Message	Cause	Remedy
LENGTH LIMIT!	<ul style="list-style-type: none"> This message appears if the text is longer than 3' 3 1/3" (1 meter) when you try to print. 	<ul style="list-style-type: none"> Shorten the text to less than 3' 3 1/3" (1 meter) before trying to print.
	<ul style="list-style-type: none"> This message appears if the Length function is used to set a label length that is less than 1.6" (4.0 cm) or more than 11.8" (30.0 cm). 	<ul style="list-style-type: none"> Set the label length between 1.6" (4.0 cm) and 11.8" (30.0 cm).
	<ul style="list-style-type: none"> This message appears if the Tab Length function is used to set a tab length that is more than 11.8" (30.0 cm). 	<ul style="list-style-type: none"> Set the tab length so that it is less than 11.8" (30.0 cm).
LINE LIMIT!	This message appears if the number of lines in the text is greater than the maximum number of lines possible for the installed tape.	Reduce the number of lines or install a tape of greater width.
MEMORY FULL!	This message appears if you try to store a text file after the maximum number of characters has already been stored in the memory.	Delete an unwanted file to make room for the new one.
NO FILES!	This message appears if you try to recall or delete a text file from the memory when none are stored.	Store a text file first.
NO TAPE!	This message appears if you try to print a label or feed the tape when no tape cassette is installed.	Install a tape cassette and try again.
REPLACE BATTERIES!	This message appears if the installed alkaline batteries are about to run out.	Replace the batteries or use the AC adaptor.
ROM PROBLEM!	This message appears if there is a problem with the machine's read only memory.	Turn off the machine, and then while holding down  and  , turn the machine back on. Contact your service representative.

Error Message	Cause	Remedy
TAB LIMIT!	This message appears if the maximum number of tabs has already been added to the text when you hold down  and press  .	Limit the number of tabs in the text to 50.
TEXT TOO HIGH!	This message appears if the size of the text is larger than the width of the installed tape.	Reduce the size of the characters or install a wider tape.
TEXT TOO LONG!	This message appears if the length of the text is longer than the label length that has been set using the Length function.	Delete some of the text, reduce the character width or increase the set label length.

SHOULD YOU ENCOUNTER ANY PROBLEMS WITH YOUR PRODUCT,
**PLEASE DO NOT RETURN YOUR
PRODUCT TO THE STORE!**

After referring to this User's Guide, if you still need assistance, refer to the Brother Contact information in this guide.

SPECIFICATIONS

HARDWARE

Input Device:	Keyboard - 51 keys
LCD:	10 characters × 2 lines 20 indicators (including Alt and Caps)
Print Tape:	Pressure-sensitive, Adhesive-based 26' 3" (8 m) long Four widths available: 1/4" (6 mm) 3/8" (9 mm) 1/2" (12 mm) 3/4" (18 mm)
Power Supply:	Six AA alkaline batteries (AM3, LR6) or optional AC adaptor (model AD-60) Auto power-off if no key is pressed for 5 minutes
Print Head:	112 dot / 180 dpi
Dimensions:	7 1/8" (W) × 9 5/32" (D) × 2 1/8" (H) (180.6 × 232.5 × 61.4 mm)
Weight:	1.76 lbs (800 g) (without a tape cassette and batteries installed)

SOFTWARE

Buffer Size:	Maximum 91 characters Maximum four lines
Memory Size:	Approximately 300 characters
Character Size:	Seven sizes (6, 9, 12, 18, 24, 36 and 42 points) + 52 point (one line of capital letters only on 3/4" (18-mm) wide tape) All are available in normal and wide widths Availability depends on tape width.
Print Styles:	Normal, Bold, Outline, Shadow (each can be combined with Italic), and Vertical

IMPORTANT WARRANTY INFORMATION


Thank you for purchasing this Brother product.

We hope that you will enjoy using it. We suggest you keep all packing and other materials. Consult your product's warranty for details.

ACCESSORIES

● Supplies

Obtain tape cassettes from your nearest authorized dealer.

Use only Brother TZ tapes with this machine. **Brother cannot be held responsible for trouble caused by the use of unauthorized supplies.** Do not use tapes that do not have the  mark.

Stock No.	Description	QTY/ PACKAGE	PRICE**
3/4" (18 mm)-wide laminated tapes			
TZ-141	Black characters on clear adhesive	1	\$22.99
TZ-M41	Black characters on clear (mat) adhesive	1	\$24.99
TZ-241	Black characters on white adhesive	1	\$24.99
TZ-242	Red characters on white adhesive	1	\$24.99
TZ-243	Blue characters on white adhesive	1	\$24.99
TZ-344	Gold characters on black adhesive	1	\$28.99
TZ-345	White characters on black adhesive	1	\$28.99
TZ-545	White characters on blue adhesive	1	\$28.99
TZ-641	Black characters on yellow adhesive	1	\$24.99
*TZ-B41	Black characters on fluorescent orange adhesive	1	\$29.99
TZ-S141	Industrial (strong adhesive) black characters on clear adhesive	1	\$27.99
TZ-S241	Industrial (strong adhesive) black characters on white adhesive	1	\$27.99
TZ-S641	Industrial (strong adhesive) black characters on yellow adhesive	1	\$27.99
1/2" (12 mm)-wide laminated tapes			
TZ-131	Black characters on clear adhesive	1	\$19.99
TZ-132	Red characters on clear adhesive	1	\$19.99
TZ-133	Blue characters on clear adhesive	1	\$19.99
TZ-135	White characters on clear adhesive	1	\$23.95
TZ-231	Black characters on white adhesive	1	\$20.99
TZ-232	Red characters on white adhesive	1	\$20.99
TZ-233	Blue characters on white adhesive	1	\$20.99
TZ-334	Gold characters on black adhesive	1	\$24.99
TZ-335	White characters on black adhesive	1	\$24.99
TZ-431	Black characters on red adhesive	1	\$20.99
TZ-435	White characters on red adhesive	1	\$24.99
TZ-531	Black characters on blue adhesive	1	\$20.99
TZ-631	Black characters on yellow adhesive	1	\$20.99
TZ-731	Black characters on green adhesive	1	\$20.99

* 16.4 ft. long

Stock No.	Description	QTY/ PACKAGE	PRICE**
TZ-M31	Black characters on clear (mat) adhesive	1	\$20.99
TZ-S131	Industrial (strong adhesive) black characters on clear adhesive	1	\$23.99
TZ-S231	Industrial (strong adhesive) black characters on white adhesive	1	\$23.99
TZ-S631	Industrial (strong adhesive) black characters on yellow adhesive	1	\$23.99
3/8" (9 mm)-wide laminated tapes			
TZ-121	Black characters on clear adhesive	1	\$16.99
TZ-221	Black characters on white adhesive	1	\$19.99
TZ-222	Red characters on white adhesive	1	\$19.99
TZ-223	Blue characters on white adhesive	1	\$19.99
TZ-325	White characters on black adhesive	1	\$22.99
TZ-S221	Industrial (strong adhesive) black characters on white adhesive	1	\$21.99
1/4" (6 mm)-wide laminated tapes			
TZ-111	Black characters on clear adhesive	1	\$14.99
TZ-211	Black characters on white adhesive	1	\$16.99
TZ-315	White characters on black adhesive	1	\$20.99
TZ-S211	Industrial (strong adhesive) black characters on white adhesive	1	\$19.99

Non-laminated tapes

Stock No.	Description	QTY/ PACKAGE	PRICE**
3/4" (18 mm)			
TZ-N641	Black characters on yellow adhesive	1	\$21.99
TZ-N541	Black acharacters on blue adhesive	1	\$21.99
TZ-NF41	Black characters on purple adhesive	1	\$21.99
1/2" (12 mm)			
TZ-N631	Black characters on yellow adhesive	1	\$17.99
TZ-N531	Black characters on blue adhesive	1	\$17.99
TZ-NF31	Black characters on purple adhesive	1	\$17.99

Instant lettering tape

Stock No.	Description	QTY/ PACKAGE	PRICE**
3/4" (18 mm)			
TZ-L041	Black characters	1	\$24.99

Iron on transfer tape

Stock No.	Description	QTY/ PACKAGE	PRICE**
3/4" (18 mm)			
TZ-IY41	Black characters	1	\$29.99

Security tape

Stock No.	Description	QTY/ PACKAGE	PRICE**
3/4" (18 mm)			
TZ-SE4	Black Ccharacters on white adhesive	1	\$49.95

Fabric tape

Stock No.	Description	QTY/ PACKAGE	PRICE**
1/2" (12 mm)			
TZ-FA3	Blue characters on white adhesive	1	\$34.95

Stamp lit/holder

Stock No.	Description	QTY/ PACKAGE	PRICE**
3/4" (18 mm) Stamp Area 9 × 55 mm			
SK-MB	Additional stamper for Large stamp with black ink	1	\$49.95
SH-MB	Additional stamper for Medium stamp with black ink	1	\$24.95

Options

Stock No.	Description	QTY/ PACKAGE	PRICE**
TZ-CL4	Cleaning Tape	1	\$20.99
TR-9	Lettering Stick	1	\$2.99
AD-60	AC adapter	1	\$34.95

** Prices and availability of accessories subject to change without notice.

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ACCESSORY ORDER FORM

This order form is provided for your convenience should your retailer not stock the item(s) needed or if you prefer to order by telephone. To order by phone, please call Brother International at 1-877- BROTHER (1-877-276-8437) and have your Visa or MasterCard available.

Stock No.	Description	Price	Quantity	Total
TOTAL				

Prices subject to change without notice.

Before calling:

1. Review the reverse side of this form and select the desired items.
2. Complete the order form, indicating the quantity of each item (for your records).
3. Enter the total on the "Supply/Accessory Total" line below (for your records).
4. Add appropriate sales tax and shipping/handling costs (for your records).
5. Have your Visa or MasterCard number and expiration date available.

Supply/Accessory Total	\$
All Residents of Canada: Please add	G.S.T. \$
applicable sales taxes (G.S.T. & P.S.T.).	P.S.T. \$
Shipping/Handling	\$5.00
TOTAL DUE	\$

G.S.T. # R100663764
P.S.T. # 100100117TQ0001

* Prices subject to change without notice.



ACCESSORY ORDER FORM

This order form is provided for your convenience should your retailer not stock the item(s) needed or if you prefer to order by telephone. To order by phone, please call Brother International at 1-877-BROTHER (1-877-276-8437) and have your Visa or MasterCard available.

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1. Review the reverse side of this form and select the desired items.
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3. Enter the total on the "Supply/Accessory Total" line below (for your records).
4. Add appropriate sales tax and shipping/handling costs (for your records).
5. Have your Visa or MasterCard number and expiration date available.

Supply/Accessory Total	\$
All Residents of Canada: Please add	G.S.T. \$
applicable sales taxes (G.S.T. & P.S.T.).	P.S.T. \$
Shipping/Handling	\$5.00
TOTAL DUE	\$

G.S.T. # R100663764
P.S.T. # 100100117TQ0001
* Prices subject to change without notice.



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